Report Title:	Telehealth Application Details
Run Date and Time:	2020-06-19 22:25:11 Eastern Daylight Time
Run by:	COVID Service Account
Table name:	x_g_fmc_c19_telehe_grant_application

Telehealth Application

Number:	GRA0009593		
Applicant:	Ian Sharp	Applicant National Provider Identifier (NPI):	1194348052
Applicant FCC Registration Number (FRN):	0029609898	Lead HCP:	Telehealth Research Clinic
Data Universal Numbering System (DUNS) Number:	051274568	Lead HCP HCP Number:	89951
DATA Act Business Types:	M - Nonprofit with 501C3 IRS Status (Other than an Institution of Higher Education)	# of HCPs:	3
		# of Funding Line Items:	9
Service Area:	Nationwide	HCP Numbers:	89951, 90234

Contact Information

Contact Name:	Ian Sharp	
Position Title:	President	
Street:	476 SE 14th St	
City:	Dania Beach	
State:	FL	
Zip:	33004-5335	
Email:	ian@openfood.io	
Phone:	9542892811	

Services and Conditions

Patient-Based Internet-Connected Remote Monitoring:	true
Other Monitoring:	true
Video Consults:	true
Voice Consults:	true
Imaging Diagnostics:	true
Other Diagnostics:	true
Remote Treatment:	true

Additional information on Medical Services to be provided::

Medical consultations and speech-language, occupational and physical therapy consultations and services. Medical home kits will include: Otoscopes, stethoscopes, and laryngoscopes to interface back with healthcare providers for more comprehensive medical consultations. Ancillary services will include initial speech, occupational and physical therapy evaluations for patients with special needs and disabilities.

Would you treat patients without COVID-19 symptoms or conditions?:	Yes
Would you treat COVID-19 patients directly?:	Yes
Emergency / Urgent Care:	true
Mental Health Services (Non-Emergency):	true
Other Infectious Diseases:	true
Routine, Non-Urgent Care:	true
Other Conditions (Explain Below):	true

If you will treat patients without COVID-19, explain...:

Mental health conditions, such as: depressive disorders, anxiety, panic attacks, and also autism spectrum disorders. Routine conditions will include treatment for respiratory conditions, gastrointestinal disorders, cardiac disorders, seasonal allergies, and flu-like illnesses.

Additional information on specific conditions to be treated::

These conditions can be treated with audio and visual feedback, pharmaceuticals, developmental therapies inclusive of: speech-language, occupational, and physical. Specialty referrals will be made when indicated.

Purpose and Intent

What are your goals and objectives for use of the COVID-19 Telehealth Funding?:

The primary goal is to deliver high quality virtual consults for individuals in need of medical care and ancillary therapies, such as: speech, language, dysphasia, occupational therapy, and physical therapies, impacted by the COVID-19 pandemic. The virtual consults will be aided by the delivery of home-care medical kits, including: Otoscopes, laryngoscopes and stethoscopes to be used in the evaluation of patients who cannot access quality care elsewhere. Patient education will be provided on the COVID-19 and non-COVID-19 conditions for which the consult is being requested.

Since nutritional foods are less available to a larger segment of our population hit hard by COVID-19, nutritional deficiencies and nutritional conditions will be a focus of the virtual consults. Patient education will be provided on nutrition and health and access to food banks and other sources will be provided to patients.

The future of healthcare is tele-healthcare. There has been a rise of different tele-health diagnostic and evaluation robotic devices, including medical equipment devices. These emergent technologies need to link the data from these devices back to the platform and to the providers, making decisions on evaluation and treatment. One of the goals in the use of the COVID-19 tele-health funding is to design a system robust enough to accommodate current and future devices without rewriting source code.

If necessary, integration with existing Uber and/or Lyft APIs will be implemented in order to send medical devices where needed.

What is your timeline for deployment of the proposed service(s)?:

Within 2 weeks, a fully operational web application will be available, including secure, de-identified login and registration. Open source teleconferencing services will be made available, while in-house solutions are prioritized and developed in parallel. Doctors In Tech's ™ HIPAA compliant software-as-a-service will be utilized to ensure secure storage, retrieval, search, and encryption at rest.

Specare Associates PC will be responsible for physician and therapist providers. Physicians and therapists are available immediately for tele-health and therapy services. As the volume increases, additional healthcare providers will be recruited through Specare Associates and if needed through Locum Tenens Inc.

Working concomitantly with technology, physician, therapist and patient, it is expected that within 3 months a minimum-viable tele-health/therapy platform workflow for patient evaluation and treatment modalities will emerge. The next 9 months will be devoted to the refinement of the platform, schema, enterprise search, analytics, and pattern recognition algorithms.

What metrics will you use to help measure the impact of the funds used? :

-Number of patients serviced.
-Location of patients serviced.
-Median time spent with healthcare provider.
-Patient outcomes will include: follow-up within 72 hours to determine clinical status where indicated; antibiotic use for acute respiratory illness will be tracked against national benchmarks.
-Patient satisfaction ratings.
-Specialist referrals will be coordinated and tracked.
-Emergency room and urgent care referrals will be tracked and follow-up will be provided.
-Robotic device usage and integration with the tele-health platform will be evaluated

How has COVID-19 affected HCPs in your geographic area (e.g, county)?:

The majority of primary care practices have either closed for an extended period of time or reduced their office hours significantly, because of COVID-19 pandemic. Urgent care centers have seen a greater than 50% reduction in patient care volumes. Emergency rooms have also seen a marked decrease in utilization for non-COVID-19 conditions. Speech, occupational and physical therapists are no longer working in physical outpatient healthcare settings at this time. Special-needs schools have closed and therapists are no longer directly available to pediatric patients with autism spectrum disorders and other special-needs conditions.

Have you been under pre-existing strains? If so, please describe such factors.:

I do not understand the question, but no significant strains exist at this time.

Do you plan to target the funding to high-risk and vulnerable patients?:

Yes

If so, please describe how.:

Two types of digital marketing campaigns will be run, one campaign will be devoted to people who are searching for care, the second campaign will be for those who do not know that care exists. For those actively seeking care, Google-Adwords will be utilized. For individuals who do not know care exists, the Doctors In Tech™ digital marketing software-as-a-service will publish content to Facebook's through Facebook's marketing API. Our desired patient population will be reached by utilizing Adwords' and Facebook's user demographics and interests.

Please provide any additional information to support your application and :

Ian Sharp PhD, the president of OPEN FOOD INC and CEO of Doctors In Tech™ , has built over 6 technology companies by developing software, implementing enterprise search across numerous industry verticals and by inventing pattern recognition algorithms and workflows.

Frank Briglia MD is a board certified pediatrician and has been practicing for over 40 years. During the pandemic, Dr. Briglia has treated over 1,000 patients through tele-health platforms across 23 states.

Do you request confidential treatment of supporting documentation?:

Yes

Funding Request		
Total Amount of Funding Requested:	$989600	
Are you requesting funding for devices?:	Yes	
Are the devices for the health care provider's use?:	No	
Are the devices for patient use?:	Yes	

How are the devices integral to patient care?:

Without the devices, proper tele-health assessment and therapeutics would not be possible. Video consultations through virtual visits will be essential for ancillary therapies, such as: speech-language, occupational and physical therapies. Home-care medical kit devices which include otoscopes and stethoscopes will assure high quality medical care evaluations.

Certification

| Certified and Submitted by: | Ian Sharp | Certified Date and Time: | 2020-06-03 22:43:42 |
| Certifier Full Name: | Ian Sharp | | |

Related List Title: Health Care Provider List
Table name: x_g_fmc_c19_telehe_health_care_provider
Query Condition: Associated Application = GRA0009593
Sort Order: Number in ascending order

3 Health Care Providers

▲ Number	Facility Name	FRN	HCP Number	NPI	State	City	Eligibility Type	Total Patient Population	Estimated Number of Patients to be Served by Funding Request	Associated Application	Additional Information on Patient Estimate:	County in which address is located	Is Lead HCP?	Is the Facility a Hospital?	PDF Patient Estimate Info	Street Address
HCP0013844	Telehealth Research Clinic	0029609898	89951	1194348052	FL	Dania Beach	(7) health clinics	35,000	35,000	GRA0009593		Broward County, Florida	Yes	No		476 SE 14th St
HCP0013901	Specare Associates PC	0029425477	90234	1699807446		Voorhees	(9) consortia of health care providers consisting of one or more entities falling in categories (1)-(8)	11,000	25,000	GRA0009593		Camden County, New Jersey	No	No		9 Oakwood Place

▲ Number	Facility Name	FRN	HCP Number	NPI	State	City	Eligibility Type	Total Patient Population	Estimated Number of Patients to be Served by Funding Request	Associated Application	Additional Information on Patient Estimate:	County in which address is located	Is Lead HCP?	Is the Facility a Hospital?	PDF Patient Estimate Info	Street Address
HCP0013904	Doctors In Tech	0029610052		1962036053	FL	Dania Beach	(9) consortia of health care providers consisting of one or more entities falling in categories (1)-(8)	25,000	25,000	GRA0009593		Broward County, Florida	No	No		476 SE 14th St

Related List Title: Funding Request Details List
Table name: x_g_fmc_c19_telehe_funding_request
Query Condition: Associated Application = GRA0009593
Sort Order: Number in ascending order

9 Funding Request Details

▲ Number	Description of Service(s) and/or Device(s)	Category	Quantities(For Devices)	Total One-Time Expense	Total Monthly Expenses	Number of Months for Recurring Monthly Expenses	Date [Purchased or] To Be Purchased	Associated Application
FDR0019221	Amazon Web Services will host the webapplication for public use	Information Service	1	$0	$300	12	2020-06-25	GRA0009593

▲ Number	Description of Service(s) and/or Device(s)	Category	Quantities(For Devices)	Total One-Time Expense	Total Monthly Expenses	Number of Months for Recurring Monthly Expenses	Date [Purchased or] To Be Purchased	Associated Application
FDR0019299	Back-end development. Disaster recovery: In the circumstance that any data is corrupted or lost, the data will be able to be recovered within a 24 hour time-window. Patient data backed-up at no less than 24 hour time-intervals. All protected health information to be encrypted at rest and safe for over 7 years. PCI DSS encryption key ideology. High-availability: If one or more of the servers goes down, there will still be availability of the service. Security: SSL/HTTPS Virtual cloud-server horizontal and vertical scalability, dev ops. Two-Factor time-based server authentication Reverse-proxy security: DDOS ip prevention. JWT, Time-based authentication and authorization to all production resources The ability to delete or limit any account at will	Information Service			$23333.33	12		GRA0009593

▲ Number	Description of Service(s) and/or Device(s)	Category	Quantities(For Devices)	Total One-Time Expense	Total Monthly Expenses	Number of Months for Recurring Monthly Expenses	Date [Purchased or] To Be Purchased	Associated Application
FDR0019300	Front-end software development	Information Service			$11667	12		GRA0009593
	Website graphical interface In-house WebRTC video conferencing Web forms for patient follow-up Web forms for patient reviews of service Administrative dashboard to view and analyze patient metrics over time and space Administrative dashboard to view and analyze physician and healthcare providers over time and space Administrative permission(s) and role(s) delegation across the user base. Administrative commissioning of patient robotics/devices. User-account malnutrition. User-account-device registration User-account management front-end for physicians and healthcare providers User-account management front-end for patients							

▲ Number	Description of Service(s) and/or Device(s)	Category	Quantities(For Devices)	Total One-Time Expense	Total Monthly Expenses	Number of Months for Recurring Monthly Expenses	Date [Purchased or] To Be Purchased	Associated Application
FDR0019301	Big data pattern recognition, enterprise search, data-science and API integration. Interface logic for robotic devices, such as: reading blood pressure, other vital signs, cardiorespiratory data, and transmission of bodily images through Otoscope, laryngoscope and stethoscope devices. Map-reduction Data-streaming, filtering, and storage Curating, and tagging taxonomy. Investigating automated and untagged taxonomy Algorithm creation, pattern recognition, AI Search-enabling content Transforming unstructured data into search-engine results, ranked by relevancy.	Information Service			$10000	12		GRA0009593
FDR0019302	TytoCare, home-care kit or equivalent	Devices	100	$25000	$0	0		GRA0009593
FDR0019303	Laptops	Devices	100	$60000	$0	0		GRA0009593
FDR0019304	hot spot - simple mobile for areas with no internet access	Devices	250	$15000	$7500	12		GRA0009593

▲ Number	Description of Service(s) and/or Device(s)	Category	Quantities(For Devices)	Total One-Time Expense	Total Monthly Expenses	Number of Months for Recurring Monthly Expenses	Date [Purchased or] To Be Purchased	Associated Application
FDR0019305	Physician consultative services for the development of the tele-health platform. Billed at a rate of $150/hour - estimated at 100 hours per month.	Information Service			$15000			GRA0009593
FDR0019306	Digital marketing costs for Facebook and Adwords is estimated at $8K / month. $4k for Facebook and $4k for Google Adwords. Landing page and funnel acquisition of users will be performed using the Doctors In Tech digital marketing platform.	Information Service			$8000	12		GRA0009593